Amendments to the Specification:

On pages 1-2, please replace paragraph number **[0004]** with the following amended paragraph:

[0004] FIGs. 2 and 3 show a portion of a typical DMD™ array 30 having mirror elements 32 suspended over a substrate 34. Electrostatic attraction between the mirror 32 and an address electrode 36 causes the mirror to twist or pivot, in either of two directions, about an axis formed by a pair of torsion beam hinges 38a and 38b. Typically, the mirror rotates about these hinges until the rotation is mechanically stopped. The movable micromirror tilts into the on or off states by electrostatic forces depending on the data written to the cell. The tilt of the mirror is on the order of plus 10 degrees (on) or minus 10 degrees (off) to modulate the light that is incident on the surface. For additional details, see U.S. Pat. No. 5,061,049 entitled "Spatial Light Modulator" and U.S. Pat. No. 5,280,277 entitled "Field Updated Deformable ~~Deferrable~~ Mirror Device," both by Larry J. Hornbeck.

On page 16, please replace paragraph number **[0047]** with the following amended paragraph:

[0047] As can be seen, the signal value of N_3 is the signal value at node N_2 ~~N2~~ (i.e., $N_2(x,y)$) combined with the value on line 184 by "Add" circuit 183 ~~186~~. The signal value on line 184 is determined by Delay circuit 188, "Right Shift By 2" circuit 190, "Right Shift By 3" circuit 192 "Add" circuit 194 and Invert circuit 196 in exactly the same way as the signal generated on line 164 provided to "Add" circuit 160 discussed above. The only difference is that Delay circuit 188, delays the signal one row or line "less" one pixel (i.e., data for pixel 11) rather than one row or line "plus" one pixel (i.e., data for pixel 9).

PAGE 3/22 * RCVD AT 9/25/2006 6:38:05 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/36 * DNIS:2738300 * CSID:9726649606 * DURATION (mm-ss):05-54

On page 18, please replace paragraph number **[0055]** with the following amended paragraph:

[0055] From the above discussion, it will also be appreciated that the values of pixels 17 and 19 from an "odd" orthogonal line is stored in RAM. Further, pixels 25 and 27 from an "even" orthogonal line will be dropped (or decimated). The AV (absolute value) calculations may be expressed ~~express~~ mathematically as:

Equation 6.

$$AV_{17,25} = \left|\left((x-1, y-1) - (x-1, y)\right)\right|$$

Equation 7.

$$AV_{19,27} = \left|\left((x+1, y-1) - (x+1, y)\right)\right|$$

On page 20, please replace paragraph number **[0058]** with the following amended paragraph:

[0058] Then, if all three absolute values are greater than the user-defined ET value, the vertical high-pass filter is applied across three horizontally adjacent ~~line-interleaved~~ pixels. Otherwise, the horizontal high-pass filter is applied across three horizontally adjacent pixels.